

REQUIRED RESIDENTIAL NOTES

The following notes shall be incorporated into the plans. If these notes are reproduced on the plans as a block, it will facilitate the review of the project. The notes will be available in a dwg format soon.

PLACE THE FOLLOWING REQUIRED NOTES ON THE DRAWING

2006 International Residential Code	(Ordinance 3744)
2006 International Building Code	(Ordinance 3735)

1. All products listed by ICC/N.E.R. number(s) shall be installed per the report and manufacturer's written instructions. Product substitution(s) for product(s) listed shall also have an ICC approved evaluation report(s) or be approved.
2. Exterior wall, bottom sill plates, shall be pressure treated or equal, and shall bear/extend minimum 6 inches above finish grade. (R319.1).
3. Provide fire protection sprinkler system. (R903.2 as Amd.).
4. Miscellaneous site structures, pools, spas, fences, site walls, retaining walls, and gas storage tanks require separate permits.
5. All exits to be operable from the inside without the use of a key or special knowledge.
6. Doors leading into house from garage shall be self-closing, self-latching. (R309.1 Amd.).
7. Exterior wall penetrations by pipes, ducts or conduits shall be caulked. (R307.6)
8. Provide roof attic ventilation unless insulation is applied directly to underside of roof sheathing or the dimension is 24 inches or less between the ceiling and bottom of roof sheathing. (R806.1 Amd)
9. Energy compliance shall be demonstrated by passing REScheck energy compliance software with a score at least 15% above the IECC (N1101.2 amended).
10. Lumber shall bear an approved grading stamp (R502.1).
11. Provide engineered truss designs for all prefabricated trusses for review and approval by the City of Scottsdale. (R802.10.1).
12. Fire blocking shall comply with (R602.8).
13. Windows located more than 72" above finished grade shall have the lowest part of clear opening of the window to be minimum 24 inches above the floor in which it serves. (R613.2).
14. Gypsum board applied to a ceiling shall be 1/2" when framing members are 16" o.c. or **5/8"** when framing members are **24" o.c.** or use labeled 1/2" **sag-resistant gypsum ceiling board**. Table R702.3.5 (d).
15. Showers and tub-shower combinations shall be provided with individual control valves of the pressure balance or thermostatic mixing valve type. (P2708.3).
16. Shower area walls shall be finished with a smooth, hard non-absorbent surface, such as ceramic tile, to a height of not less than 72 inches above the drain inlet. Water-resistant gypsum board shall not be installed over a vapor retarder in a shower or tub compartment. Cement, fiber-cement or glass mat gypsum backers installed in accordance with manufacturers' recommendations shall be used as backers for wall tile in tub and shower areas and wall panels in shower areas (R702.3, .4).
17. Plumbing fixtures shall comply with the following conservation requirements: Table P2903.2. Water closets-Tank type 1.6 gal. /flush. Shower heads- 2.5 gal. /minute. Faucets- 2.2 gal. /minute, provide aerator.
18. Water treatment systems- shall be equipped with an automatic shutoff to prevent continuous flow when not in use.
19. Domestic dishwashing machines connected to a disposer shall have the discharge installed as high as possible. (P2717.3).

20. Hot water recirculation pumps. Provide a hot water demand controlled recirculation pump for water heaters located more than 20 feet from furthest fixture served. A manual control or occupant sensor switch shall operate the pump with an automatic temperature sensor shut-off (M2005.5 amended).
21. Supply and return ducts shall be insulated to a minimum **R-8**. Ducts in floor trusses shall be insulated to minimum R-6. (N1103.2.1).
22. Registers, diffusers and grilles shall be mechanically fastened to rigid supports or structural members on at least two opposite sides in addition to being connected to the ductwork they serve.
23. The clothes dryer shall be provided with a 4-inch diameter exhaust duct to the exterior and shall not exceed a total length of 25 feet, unless an engineered duct system is provided. (M1501.3) The duct shall terminate not less than 3 feet from a property line or from openings into a building.
24. Exhaust air from kitchens, bathrooms and toilet rooms shall not be re-circulated within a residence or to another dwelling unit and shall be exhausted directly to the outdoors. Exhaust air from kitchens, bathrooms and toilet rooms shall not discharge into an attic, crawl space or other areas inside the building. M1506.2.
25. Provide **IC**-rated recessed light fixtures installed in insulated ceilings. (N1102.4.3).
26. Fixtures located in damp or wet locations shall be "listed" to be suitable for such location. (E3903.8)
27. Provide **GFCI** protection for receptacles within 6' of all lavatories, sinks and basins. (E3802.7).
28. Provide **GFCI** protected receptacles at all exterior, bathroom and garage locations. (E3802.1, .2).
29. Provide a wall mounted **GFCI** protected receptacle outlet within 36" of a bathroom or powder room lavatory. (E3801.6).
30. All 125-volt branch circuits... in bedrooms shall be protected by a listed **AFCI**. (E3802.11).
31. Provide a switch for the stairway when there are 6 or more risers. (R303.6.1).
32. Receptacle outlets shall be installed so that no point along the floor line in any wall space is more than 6 feet, measured horizontally, from an outlet in that space, including any wall space 2 feet or more in width. (E3502.2).
33. Provide a minimum of two 20-amp small appliance branch circuits for the kitchen/dining/breakfast. (E3603.3).
34. The two or more 20-ampere small appliance branch circuits shall have no other outlets, except the receptacle installed solely for electric supply to an electrical clock in the kitchen/dining/breakfast areas or receptacles for supplemental equipment and lighting for gas-fired ranges, ovens, or counter-mounted units. (E3603.2).
35. Receptacle outlets for ranges and clothes dryers shall be a 3-pole with ground type. Four-wire, grounding-type flexible cords will be required for connection of ranges and clothes dryers. The bonding jumper shall not be connected between the neutral terminal and the frame of the appliance. Flexible cords shall be used only where the...flexible cord supplying an appliance shall terminate in a grounding-type attachment plug. (E4001.3.)
36. Provide a concrete encased grounding electrode of not less than 20 feet of #4 bare copper (200 ampere service). (E3508.1, .2).
37. Provide bonding to the water piping, gas and metal building systems. (Minimum #4 for 200-amp service). (E3503.1).
38. All metal piping systems, metal parts of electrical equipment, and pump motors associated with the hydro massage tub shall be bonded together using a copper bonding jumper, insulated, covered, or bare, not smaller than No. 8 solid. Metal parts of listed equipment incorporating an approved system of double insulation and providing a means for grounding internal non-accessible, non-current-carrying metal parts shall not be bonded. (E4104.2, .4).
39. R607.2.1 Masonry Bed and head joints...shall be 3/8 inch-thick, the thickness of the bed joint of the starting course placed over foundations shall not be less than 1/4 inch and not more than 3/4 inch. Mortar joint thickness shall be within the following tolerances from the specified dimensions:
1. Bed joint: + 1/8 inch. 2. Head joint: 1/4 inch + 3/8 inch. 3. Collar joints: 1/4 inch + 3/8 inch.